Features

- Mechanical key-switch, better press feeling and durable.
- Bi-directionally reading card through the reader slot.
- Power is supplied by the computer keyboard port to operate the PKB unit.
- Keyboard type XT/AT selectable.
- Carriage return for card reader is selectable.
- Power up diagnostics.
- Switch selectable SS-ES for the model built-in magstripe reader.
  SS: Start Sentinel
  ES: End Sentinel
- Magstripe card reader meet ANSI/ISO standards.
- The buzzer will beep once when the card is read successfully through the reader slot.

Models

Keyboard Wedge	RS-232 Interface	Comments
PKB-018K	PKB-018R	w/o Card Reader
PKB-018KD	PKB-018RD	w/o Card Reader w/LCD Display
PKB-018K02	PKB-018R02	w/MCR TK 2
PKB-018K12	PKB-018R12	w/MCR TK 1+2
PKB-018K23	PKB-018R23	w/MCR TK 2+3
PKB-018KBR	PKB-018RBR	w/Barcode Red LED
PKB-018KBI	PKB-018RBI	w/Barcode Infra-Red

Switch Setting for Keyboard Wedge Model

SW1	OFF:	PC AT
	ON:	PC XT
SW2	OFF:	Enable CR
	ON:	Disable CR
SW3	OFF:	Enable External Keyboard
	ON:	Disable External Keyboard
SW4	OFF:	Enable SS & ES
	ON:	Disable SS & ES

Note: Power must be off before changing Dip-Switch setting and then turn power on again.

Switch Setting for RS-232 Interface Model

1. Baud Rate Selection

	1200	2400	4800	9600
SW1	OFF	ON	OFF	ON
SW2	OFF	OFF	ON	ON

2. Parity Selection

	Mark	Odd	Space	Even
SW3	OFF	ON	OFF	ON
SW4	OFF	OFF	ON	ON

3. STX/ETX Selection

SW5	OFF:	Enable STX/ETX
	ON:	Disable STX/ETX

4. CR Selection

SW6	OFF:	Enable CR
	ON:	Disable CR

5. Buzzer beep for pressing keys

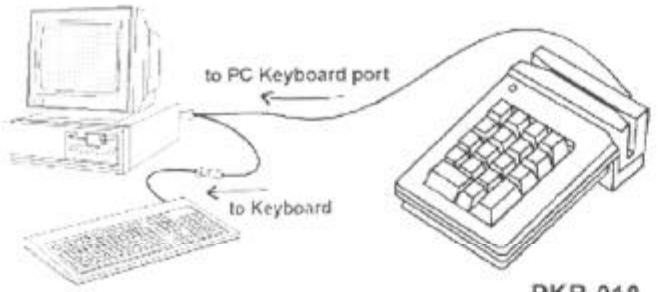
SW7	OFF:	Enable beep
	ON:	Disable beep

6. SS & ES Selection for Magstripe Reader

SW8	OFF:	Enable SS & ES
	ON:	Disable SS & ES

Installation for Keyboard Wedge Model

Step 1 Turn the computer system power off, and unplug the keyboard cable.
Step 2 Plug the male end of the PKB cable into the keyboard socket on the computer.
Step 3 Plug the keyboard cable to the female end of the PKB cable.
Step 4 Make sure the DIP-Switch setting meet the system required.
Step 5 Turn on the computer power, observe the LED turned on when the PKB device is starting up and ready for operating.



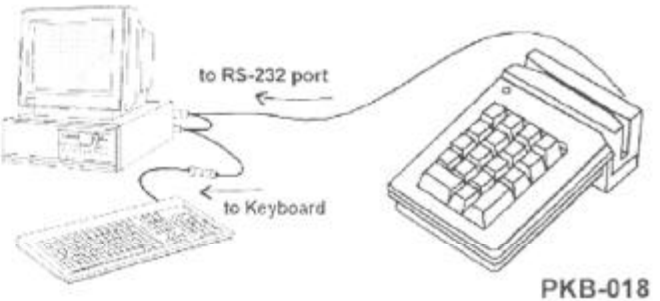
PKB-018

Notes for Operation:

1. All data read by the magstripe reader on PKB device will be sent as the standard keyboard does.
2. When typing from the keypad on th PKB device, all characters typed will be sent to the computer as the standard keyboard does.

Installation for RS-232 Model

Step 1 Turn the computer power off.
Step 2 Setting the DIP-Switches of the PKB device to meet requirements.
Step 3 Connect the DSUB 9 pin (Female) connector of the PKB device to the RS-232 port on the computer.
Step 4 Connect the Y type cable as keyboard wedge connection for using the 5V-power line from keyboard port.
Step 5 Turn the system power on, you will see the LED of the PKB device will be lit to indicate that it's ready for operating, then run your application software, including one drive utility, to get the data from the serial port which connects with the PKB device.



PKB-018

Notes for Operation:

1. All data read by the PKB device will be send immediately to the computer through the RS-232 cable. The PKB device does not need to receive commands from the host.
2. The keypad data sent to the computer are in ASCII:

Number	0	1	2	3	4	5	6	7	8	9	Clear	Enter
ASCII	30H	31H	32H	33H	34H	35H	36H	37H	38H	39H	08H	0DH

3. STX/ETX and CR would have no effect on the keypad.
4. It is possible to connect a PKB device to both host and terminal via Y cable. Please request your supplier when you have the special requirement.

Specifications:

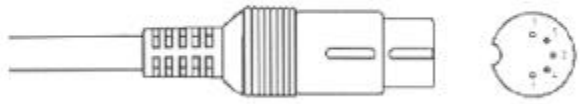
1. Speed for Magstripe input:
   3~125 IPS at 75 BPI Track 2 ISO standard.
   3~50 IPS at 210 BPI Track 1 or Track 3 ISO standard.
2. Environment:
   Operating Temperature: 5~45 Degree C
   Humidity: 10~90% Relative
3. Power Consumption:
   Keyboard Wedge Model: 80mA max.(5V DC)
   RS-232 Interface Model: 100~140mA
4. Keypad Function Table:

Key alone	Num Lock	Alt
Enter		Y
<—	4	F4
	5	F5
—>	6	F6
+		↘
*		↗
–		↙
Num Lock	(indicator)	
End	1	F1
	2	F2
Pg Dn	3	F3
Home	7	F7
	8	F8
Pg Up	9	F9
Ins	0	F10
Del	.	N
/		↖
Alt	(indicator)	

Pins Assignment

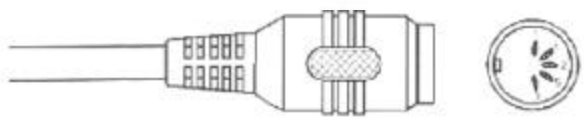
Keyboard Wedge Model

DIN 5 Male Connector



1. Clock
2. Data
3. Reset
4. GND
5. +5V

DIN 5 Female Connector



1. Clock
2. Data
3. Reset
4. GND
5. +5V

RS-232 Model

Pin	2	3	5	9
Function	TX		GND